

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 24 MAY 2005

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To:

SHANGHAI PATENT & TRADEMARK LAW OFFICE, LLC
435 Guiping Road Shanghai, CHINA, 200233

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43 *bis*.1)

Date of mailing
(day/month/year)

11.5.2005 (11.05.2005)

Applicant's or agent's file reference

051517 PC

FOR FURTHER ACTION

see paragraph 2 below

International application No.

PCT/CN2005/000377

International filing date (day/month/year)

25.Mar 2005(25.03.2005)

Priority date (day/month/year)

26.Mar 2004 (26.03.2004)

International Patent Classification (IPC) or both national classification and IPC

B25J19/02, G01B7/16

Applicant

ZHANG, Zhouxin

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN

The State Intellectual Property Office, the
P.R.China 6 Xitucheng Rd., Jimen Bridge,
Haidian District, Beijing, China 100088
Facsimile No. 86-10-62019451

Date of completion of this opinion

26. April 2005 (26.04.05)

Authorized officer

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Form PCT/ISA/237(cover sheet)(April 2005)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CN2005/000377

Box No. I Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed
☐ filed together with the international application in electronic form
☐ furnished subsequently to this Authority for the purposes of search

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/CN2005/000377

**Box No. V Reasoned statement under Rule 43b/s.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1. Statement:

Novelty (N)	Claims <u>1-8</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims <u>3-8</u>	YES
	Claims <u>1,2</u>	NO
Industrial applicability (IA)	Claims <u>1-8</u>	YES
	Claims _____	NO

2. Citations and explanations

D1:US,A,4525606

D2:US,B2,6530283

D3:WO,A1,02073147

The closest prior art is represented by D1.

The prior art (D1) disclosed most of features mentioned in claim1 (see the whole document and figures), and the differences between D1 and this invention are known in the prior art. Therefore, the invention defined in the claim 1 is obvious to a person skilled in the art. The invention according to claim 1 is thus not considered to involve an inventive step. So claim 1 does not meet the requirements of PCT Art. 33(3). Documents of D2 and D3 also disclosed most of features mentioned in claim1 respectively, which made claim 1 not meet the requirements of PCT Art. 33(3)..

The prior art (D1) also disclosed most of features mentioned in claim2 (see the whole document and figures), and the differences between D1 and this invention are known in the prior art. Therefore, the invention defined in the claim 2 is obvious to a person skilled in the art. The invention according to claim 2 is thus not considered to involve an inventive step. So claim 2 does not meet the requirements of PCT Art. 33(3).

The features of claims 3-8 have not been disclosed by existant arts, therefore, claims 3-8 meet the requirements of PCT Art. 33(3).

Because the subject matter of claims 1-8 involve industrial applicability, claims 1-8 meet the requirements of PCT Art. 33(4), indeed.